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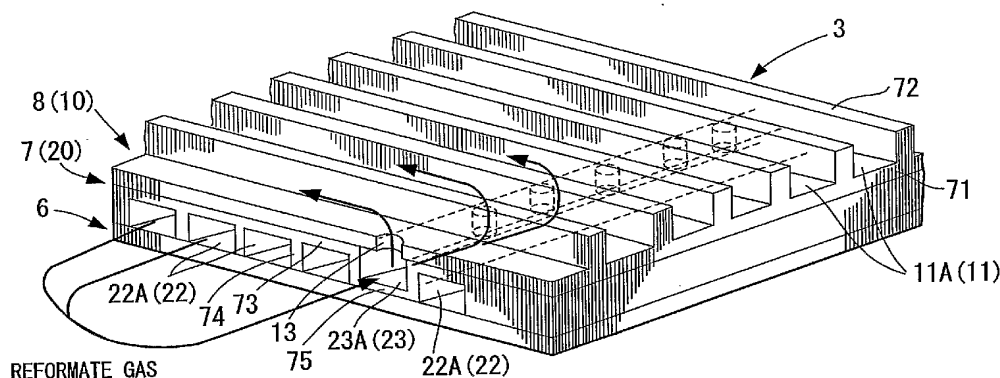
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(54) Title: FUEL REFORMER



(57) Abstract: A fuel reformer includes a reforming element (7) having at least one reforming catalyst passage (22) supporting a reforming catalyst which generates reformat gas from fuel; and a combustion element (8) having at least one combustion gas passage (11), which heats the reforming element (7) by the heat of combustion gas generated by burning the generated reformat gas supplied in air introduced in said at least one combustion gas passage (11). The reforming element (7) and combustion element (8) are laminated in the fuel reformer. The fuel reformer further includes plural supply holes (13) arranged in a line along said at least one combustion gas passage (11), each supply hole (13) communicating with said at least one combustion gas passage (11). At least part of the generated reformat gas is supplied to each supply hole, and is burnt downstream of each supply hole.

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